

ABSTRACT OF THE DISCLOSURE

An object detection apparatus is provided that detects a target object correctly without decreasing a process speed so much even if there is a change in a shooting environment. The human body detection apparatus for detecting a human body in an image includes an image input portion for entering an image taken by a camera, a plurality of plane generation portions for detecting features of the image by using different methods, a section for obtaining conditions about shooting by the camera, a section for calculating reliability values of features detected by the plane generation portions in the case of the obtained condition, and a detection process portion for detecting a human body in the shot image in accordance with features detected from the shot image detected by one or more of the plane generation portions and reliability values of the features.